

POST <http://localhost/perpustakaan/public/api/register>

Send Save

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL BETA

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	nama_petugas	Naura			
<input checked="" type="checkbox"/>	alamat	Ngariboyo			
<input checked="" type="checkbox"/>	telp	123567890			
<input checked="" type="checkbox"/>	username	naura			
<input checked="" type="checkbox"/>	password	1234567			
<input checked="" type="checkbox"/>	password_confirmation	1234567			
<input checked="" type="checkbox"/>	level	petugas			

```
Pretty Raw Preview Visualize JSON
```

```
{
  "user": {
    "nama_petugas": "Naura",
    "alamat": "Ngariboyo",
    "telp": "123567890",
    "level": "petugas",
    "username": "naura",
    "updated_at": "2020-01-22 07:37:24",
    "created_at": "2020-01-22 07:37:24",
    "id": 7
  },
  "token":
    "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJkbHRwO1wwXC9yb2NhbgZhcnRlc3B1cnB1c3RhZDFlbnVwcHViYyIiwiaWF0IjoxNTc1Mjc4NDQ0LmF0eSImSiZiIjE6MTU3OTY3ODY0NCwicianRpIjojoiNNlxcGxvDFNPehNERDIFeCkSIjoiInNVYiI6NywiCHJ2IjoioiOTc3M2E0OWIMmR1ZjlmeTtk8YzJhOWRjYjg1OTc2OTMzOWIyMDI2ziJ9.ahbxa4V_E1C8t502MZyoBITf6bIPcsUK66NH1Mba3Q"
```

Data kedua sebagai admin

POST

http://localhost/perpustakaan/public/api/register

Send

Save

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

Code

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

BETA

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> nama_petugas	Fatir			
<input checked="" type="checkbox"/> alamat	Karajan			
<input checked="" type="checkbox"/> telp	0987654321			
<input checked="" type="checkbox"/> username	fatir			
<input checked="" type="checkbox"/> password	0987654321			
<input checked="" type="checkbox"/> password_confirmation	0987654321			
<input checked="" type="checkbox"/> level	admin			

```
Pretty Raw Preview Visualize BETA JSON ↕
```

```
1 {  
2   "user": {  
3     "nama_petugas": "Fatin",  
4     "alamat": "Karajan",  
5     "telp": "0987654321",  
6     "level": "admin",  
7     "username": "fatin",  
8     "updated_at": "2020-01-22 07:46:30",  
9     "created_at": "2020-01-22 07:46:30",  
10    "id": 8  
11  },  
12  "token":  
    "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOiNvXz9sb2NhbnRlc3BlcnB1c3Rha2FhbWVwCHVibGljXC9hcG1lL3JlZ2dGvyIiwiaWF0IjoxNTc5Njc5MTkwLCJleHAiOjE1Nzk2ODI3OTAsIm5iziI6MTU3OTY3OTE5MCMianRpIjoicXFud05oM2NmOWIzQ2NrZWSiInN1YiI6OCwicHJ2IjoiotC3M2OE0WI5mmR1ZlZmZkT8yZjZhOWRjYjg1OTc2OThtZWlyMDI2ZiJ9.RSuuVBWIKouAZpDikSYkb8k9iI7a9GXJBcdSs_XiciE"  
13 }
```

- LOGIN

Data pertama sebagai petugas

POST

http://localhost/perpustakaan/public/api/login

Send

Save

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

Code

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

BETA

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> nama_petugas	Naura	
<input checked="" type="checkbox"/> alamat	Ngariboyo	
<input checked="" type="checkbox"/> telp	123567890	
<input checked="" type="checkbox"/> username	naura	
<input checked="" type="checkbox"/> password	1234567	
<input checked="" type="checkbox"/> password_confirmation	1234567	
<input checked="" type="checkbox"/> level	petugas	

```
1 {  
2   "token":  
    "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiIsInR5cCI6IkpzZW9udHlwZXQ9b2hhbGhvc3Rlc3BlcnB1c3RhazFhbWwvchVibGljXC9hcG1lL2xvZ21uIiwiaWF0IjoxNTc5Njc5MDI0LmC1leHAioEjE1nK2ODI2MjQsIm51ZiI2IGMTU3OTY3OTAYnCiwiYWxpbnRpdjoiZWIwdmlkdmJorIR3dVZSIsInN1YiI6ImNywiczH2IjoIOdDIyMGFmNmVmOmZkMTU4MTQzMGVjOTcxNTNhMTIyMG1wNDc1NDZhYSJ9.1UyqwlE7NaB30nksxk1-nYzdT0i3QSZVjSJrttGp24o"  
3 }
```

Data Kedua sebagai admin

POST **Send** **Save**

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies Code

☒ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL **BETA**

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	nama_petugas	Fatir			
<input checked="" type="checkbox"/>	alamat	Karajan			
<input checked="" type="checkbox"/>	telp	0987654321			
<input checked="" type="checkbox"/>	username	fatir			
<input checked="" type="checkbox"/>	password	0987654321			
<input checked="" type="checkbox"/>	password_confirmation	0987654321			
<input checked="" type="checkbox"/>	level	admin			

Pretty Raw Preview Visualize **BETA** JSON

```

1 {
2   "token":
    "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwwXC9sb2NhbnBvcGVzZXZlbiIiwiaWF0IjoxNjc5MTI1OTYyMjE2MDI5MSJusIm5iZiI6MTU3OTY3OTMyNSwiYW5jaXZpdjQvNW0gZGtEUHFOSSIsInN1YiI6OcwicHJ2IjoIODdMGFMWVWMOmOWZkMTU4MTJmZWVjOTcxNTNmMTRlMGlnWDc1NDZhYSJ9.9R17sa3rxDBrq_S-XW_g8pVEGSqVH0FIqx3bkNF6HGg"
3 }

```

2. Hasil Postman

<input type="checkbox"/>				Salin	Hapus	7	Naura	Ngariboyo	123567890	petugas_naura	\$2y\$10\$NUIZCvPq0L92YtQhLKKz SX1INIUqwtzNwUB7CIPr...	2020-01-22 07:37:24	2020-01-22 07:37:24
<input type="checkbox"/>				Salin	Hapus	8	Fatir	Karajan	0987654321	admin_fatir	\$2y\$10\$JmigUdFidUaPqWrx.MFq0.cSGJkMOLwvEVgLRIBeRh...	2020-01-22 07:46:30	2020-01-22 07:46:30

3. Controller

- Petugas Controller

```
app > Http > Controllers > PetugasController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Petugas_model;
7  use Illuminate\Support\Facades\Hash;
8  use Illuminate\Support\Facades\Validator;
9  use JWTAuth;
10 use Tymon\JWTAuth\Exceptions\JWTException;
11
12 class PetugasController extends Controller
13 {
14     public function login(Request $request)
15     {
16         $credentials = $request->only('username', 'password');
17
18         try {
19             if (! $token = JWTAuth::attempt($credentials)) {
20                 return response()->json(['error' => 'invalid_credentials'], 400);
21             }
22         } catch (JWTException $e) {
23             return response()->json(['error' => 'could_not_create_token'], 500);
24         }
25
26         return response()->json(compact('token'));
27     }
28
29     public function register(Request $request)
30     {
31         $validator = Validator::make($request->all(), [
32             'nama_petugas' => 'required|string|max:255',
33             'alamat' => 'required|string|max:255',
34             'telp' => 'required|string|max:255',
35             'level' => 'required',
36             'username' => 'required|string|max:255',
37             'password' => 'required|string|min:6|confirmed',
38         ]);
39     }
```

```

38     });
39
40     if($validator->fails()){
41         return response()->json($validator->errors()->toJson(), 400);
42     }
43
44     $user = Petugas_model::create([
45         'nama_petugas' => $request->get('nama_petugas'),
46         'alamat' => $request->get('alamat'),
47         'telp' => $request->get('telp'),
48         'level' => $request->get('level'),
49         'username' => $request->get('username'),
50         'password' => Hash::make($request->get('password')),
51     ]);
52
53     $token = JWTAuth::fromUser($user);
54
55     return response()->json(compact('user','token'),201);
56 }
57
58 public function getAuthenticatedUser()
59 {
60     try {
61
62         if (! $user = JWTAuth::parseToken()->authenticate()) {
63             return response()->json(['user_not_found'], 404);
64         }
65
66     } catch (Tymon\JWTAuth\Exceptions\TokenExpiredException $e) {
67
68         return response()->json(['token_expired'], $e->getStatusCode());
69
70     } catch (Tymon\JWTAuth\Exceptions\TokenInvalidException $e) {
71
72         return response()->json(['token_invalid'], $e->getStatusCode());
73
74     } catch (Tymon\JWTAuth\Exceptions\JWTException $e) {
75
76         return response()->json(['token_absent'], $e->getStatusCode());
77

```

```
61
62         if (! $user = JWTAuth::parseToken()->authenticate()) {
63             return response()->json(['user_not_found'], 404);
64         }
65
66     } catch (Tymon\JWTAuth\Exceptions\TokenExpiredException $e) {
67
68         return response()->json(['token_expired'], $e->getStatusCode());
69
70     } catch (Tymon\JWTAuth\Exceptions\TokenInvalidException $e) {
71
72         return response()->json(['token_invalid'], $e->getStatusCode());
73
74     } catch (Tymon\JWTAuth\Exceptions\JWTException $e) {
75
76         return response()->json(['token_absent'], $e->getStatusCode());
77
78     }
79
80     return response()->json(compact('user'));
81 }
82 }
83
```

4. Middleware

- JWT Middleware

```
app > Http > Middleware > JwtMiddleware.php
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Closure;
6  use JWTAuth;
7  use Exception;
8  use Tymon\JWTAuth\Http\Middleware\BaseMiddleware;
9
10 class JwtMiddleware extends BaseMiddleware
11 {
12
13     /**
14      * Handle an incoming request.
15      *
16      * @param \Illuminate\Http\Request $request
17      * @param \Closure $next
18      * @return mixed
19      */
20     public function handle($request, Closure $next)
21     {
22         try {
23             $user = JWTAuth::parseToken()->authenticate();
24         } catch (Exception $e) {
25             if ($e instanceof \Tymon\JWTAuth\Exceptions\TokenInvalidException){
26                 return response()->json(['status' => 'Token is Invalid']);
27             }else if ($e instanceof \Tymon\JWTAuth\Exceptions\TokenExpiredException){
28                 return response()->json(['status' => 'Token is Expired']);
29             }else{
30                 return response()->json(['status' => 'Authorization Token not found']);
31             }
32         }
33         return $next($request);
34     }
35 }
36
```

5. Model Petugas

```
app > Petugas_model.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Notifications\Notifiable;
6  use Illuminate\Contracts\Auth\MustVerifyEmail;
7  use Illuminate\Foundation\Auth\User as Authenticatable;
8  use Tymon\JWTAuth\Contracts\JWTSubject;
9
10 class Petugas_model extends Authenticatable implements JWTSubject
11 {
12     use Notifiable;
13     protected $table = 'petugas';
14
15     /**
16      * The attributes that are mass assignable.
17      *
18      * @var array
19      */
20     protected $fillable = [
21         'nama_petugas', 'alamat', 'telp', 'username', 'password', 'level'
22     ];
23
24     /**
25      * The attributes that should be hidden for arrays.
26      *
27      * @var array
28      */
29     protected $hidden = [
30         'password', 'remember_token',
31     ];
32
33     public function getJWTIdentifier()
34     {
35         return $this->getKey();
36     }
37     public function getJWTCustomClaims()
38     {
39         return [];
40     }
41 }
```


6. Routes

- Api

```
routes > api.php
1  <?php
2
3  use Illuminate\Http\Request;
4
5  /*
6   |-----
7   | API Routes
8   |-----
9   |
10  | Here is where you can register API routes for your application. These
11  | routes are loaded by the RouteServiceProvider within a group which
12  | is assigned the "api" middleware group. Enjoy building your API!
13  |
14  */
15
16  Route::middleware('auth:api')->get('/user', function (Request $request) {
17      return $request->user();
18  });
19  Route::post('register', 'PetugasController@register');
20  Route::post('login', 'PetugasController@login');
21  Route::get('/', function(){
22      return Auth::user()->level;
23  })->middleware('jwt.verify');
24
25  Route::get('user', 'PetugasController@getAuthenticatedUser')->middleware('jwt.verify');
26
27
```

7. CMD

```
C:\xampp\htdocs\perpustakaan>php artisan make:controller PetugasController
Controller created successfully.
```

```
C:\xampp\htdocs\perpustakaan>php artisan make:model Petugas_model
```

```
C:\xampp\htdocs\perpustakaan>php artisan make:middleware JwtMiddleware
```